

seminars

PHYSICS III COMMITTEE

Tuesday, October 3rd
14.30
Auditorium

Provisional Agenda :

1. Minutes of the meeting of 14 June (PH III-72/48).
Matters arising.
2. Report on decisions made by the NPRC.
3. Reports on experiments at the PS. Machine-time requests.
Recommendations.
4. New Proposals and Letters of Intention for experiments at the PS.
Recommendations.
5. Report on status of SC Improvement Programme.
6. Proposals and Letters of Intention for experiments at the SC.
Recommendations.
7. Reports on experiments at the SC. Machine-time requests for
experiments in progress. Recommendations.
8. Debate on the future of the CERN SC and the SC Improvement
Programme (see letter from the Chairman, PH III-72/50).
9. Date of next meeting.
10. Any other business.

CERN PARTICLE PHYSICS SEMINARS

Thursday, October 5th
16.30
Auditorium

"High-energy strong interactions" (Rapporteur's talk at the 16th
International Conference, Batavia)
G. Giacomelli / Bologna

Friday, October 6th
16.30
Auditorium
(Note the change of
day and time !)

"Inclusive cross-sections for $x > 0.4$ measured at the ISR"
M.G. Albrow / CERN

Abstract : Cross-sections for π^+ , K^+ and p production have been
measured with x in the range 0.4 to 1.0 using the
small-angle spectrometer of the CERN-Holland-Lancaster-Manchester
collaboration. The data are discussed in terms of Feynman scaling,
diffraction excitation and triple-Regge models.

PHYSICS III SEMINAR

Monday, October 9th
11.00
Theory Conference Room

"Hadronic production in the nucleon Coulomb field"
G. Fäldt / Lund - CERN

CERN APPLIED PHYSICS SEMINAR

Monday, October 9th
14.30
Council Chamber

"Guided communication with mm- and optical waves"
H.G. Unger / Technical University, Brunswick

Abstract : Round waveguide transmits millimetre waves in the
circular electric mode with only 10% of power loss
per kilometre. Light waves are guided by optical fibres also with
fairly low transmission loss. Both media can transmit many voice
and picture signals simultaneously. Together with new semi-conduc-
tor devices and circuits for generation and detection of wideband
millimetre and optical signals they lead to long distance communica-
tion systems which can work much more efficiently than present day
facilities.

PHYSICS I - ELECTRONICS
EXPERIMENTS COMMITTEE

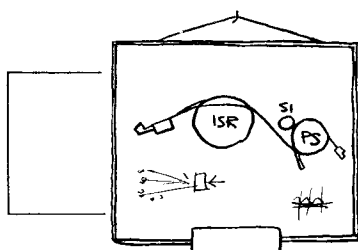
Monday, October 9th
14.30
Auditorium

Open Session :

1. Proposal to measure the polarization in backward scattering for the reactions $\pi^- p \rightarrow \Sigma^- K^+$ and $\pi^- p \rightarrow p \pi^-$, CERN-Trieste Group; PH I/COM-72/30, presented by M. Giorgi.
2. Proposal to perform a systematic search for heavy masses with a symmetric spectrometer, IISN-IPN-Orsay Group; PH I/COM-72/27, presented by M. Spighel.
3. Proposal for a measurement of the Σ^0 lifetime using the Primakoff effect, CERN-Heidelberg K^o Group; PH I/COM-72/33, presented by P. Steffen.

Tuesday, October 10th
09.00
NP Conference Room

Closed Session.



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ACADEMIC TRAINING

11 and 12 October
Auditorium

"Survey of Experiments Performed at CERN"

The Academic Training Committee has decided to open the new academic year with an information meeting on the experiments taking place or starting soon around the SC, PS and ISR.

It is felt that this meeting could help the community of physicists working at CERN, and in particular the new comers, to be informed, at once, on most of the experimental research activity which will be performed in the coming months.

One should not expect that this information meeting replaces the usual conferences where new results are presented, nor that it will give technical details which can only be obtained in more specialized discussions, but it should convey to the community the main motivations and the hopes which can be placed in the present and near future research activities.

Time limitations have led the organizers to an effort of synthesis and selection in the presentations; they apologize for possible omissions and restrictions.

Programme

11 October :

09.00 - 10.00	:	"Introduction to ISR experiments" and "Particle production ", by K. Potter
10.00 - 10.40	:	"Search for new particles", by L. Di Lella
11.15 - 12.15	:	"Experiments with the Omega", by P. Sonderegger
14.30 - 15.10	:	"Experiments with the split-field magnet", by K. Tittel
15.15 - 16.00	:	"Weak interactions : K-physics", by K. Kleinknecht
16.00 - 16.15	:	"Weak interactions : hyperon beam", by J.M. Gaillard
16.30 - 17.00	:	"Quasi-two-body reactions", by W. Koch
17.00 - 17.15	:	"Two body pp annihilation and pp elastic scattering", by A. Astbury
17.15 - 17.30	:	"Polarized target experiments", by M. Poulet